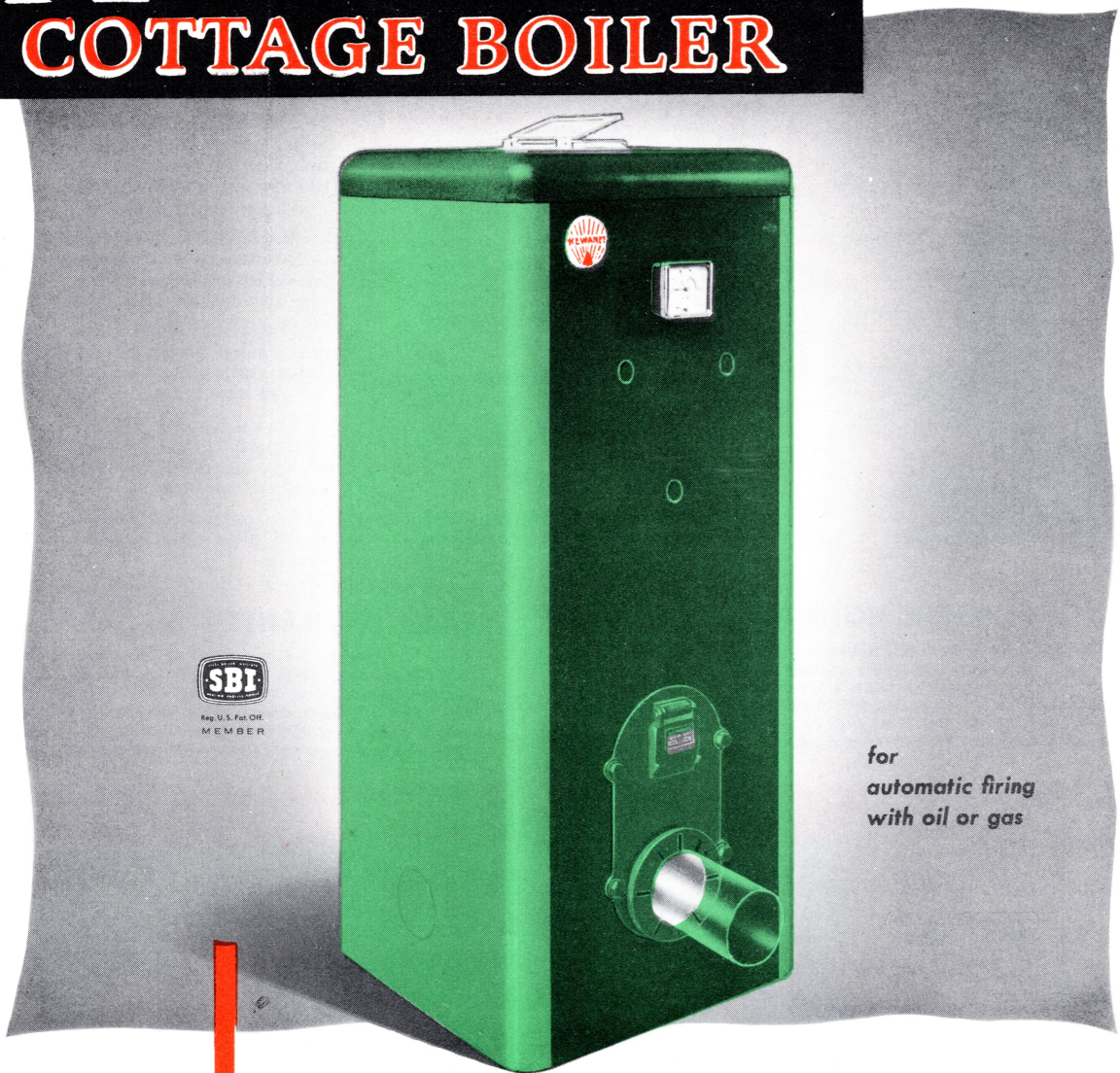
A.I.A. FILE No.30-C-1
(OCTOBER 1950)

KEWANEE
COTTAGE BOILER



for automatic firing with oil or gas

A QUALITY VERTICAL TUBE STEEL BOILER FOR HOT WATER HEAT IN SMALL HOMES

The new Kewanee Cottage Boiler, designed for oil or gas firing, adds dependability to all the advantages and convenience of completely automatic hot water heating for the small home owner. Moderately priced, the Cottage Boiler is Kewanee's answer to the long standing need for a quality boiler that offers efficient hot water heating within the limits of modest budgets. Small . . . compact . . . it uses less floor space. Attractively jacketed in two-tone green, it will add a touch of smartness to any basement or utility room.

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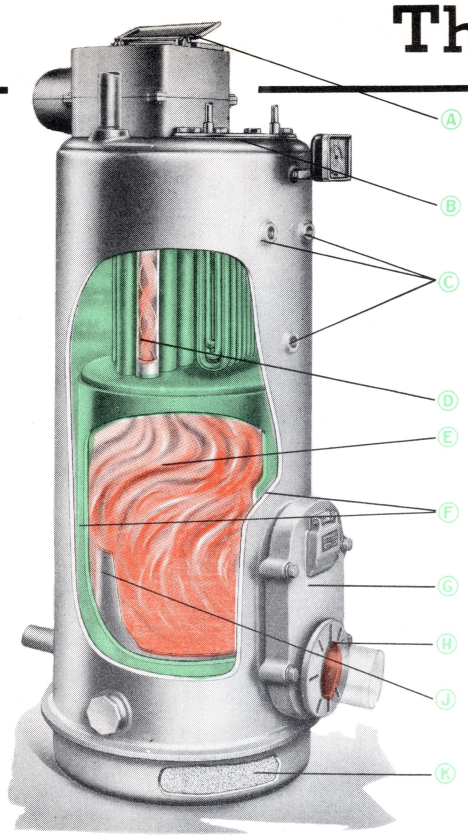
KEWANEE-ROSS CORPORATION
Division of American Radiator & Standard Sanitary Corporation
KEWANEE, ILLINOIS

Circular 92-6

The COTTAGE BOILER

. . . a real KEWANEE product



Although priced in the lower brackets the Cottage Boiler is built to the same high standards of quality material and workmanship which have made Kewanee Boilers *famous* for more than *80 years.* Rated to produce 77,000 Btu, the Cottage Boiler is capable of producing enough heat to take care of overloads of 50% and more without sacrificing high efficiency. Husky steel plate . . . solidly welded in one piece to A.S.M.E. Code . . . with heavy 9 gauge tubes offer a lifetime of trouble-free service.

(A) Hinged Double Cover on smokehood provides easy access to tubes for cleaning.

(B) Domestic Hot Water Coil made in one unit, either Tankless or Storage Tank type, easily inserted any time through top head.

(C) Tappings in boiler shell provide for all automatic controls.

(D) Vertical Tubes with Spinners scrub hot flue gases against tube walls thus assuring greater heat transfer without choking the draft. Vertical heating surfaces keep clean longer.

(E) High Firebox permits thorough combustion of fuel and rapid heat transfer.

(F) Heavy gauge welded steel construction Hydrostatically tested at 150 lbs. for maximum water working pressure of 100 lbs.

(G) Sturdy cast iron Fire-cover plate with free swinging puff-back safety swivel for observing flame. Refractory lined to prevent warping.

(H) Universal Flange fits practically any flange mounted oil burner. Square mounting may be provided for gas burners.

(J) Stainless Steel Combustion Chamber "soups-up" combustion of oil. Installed easily through firedoor opening.

(K) Insulation Refractory fill-in keeps floor cool and boiler heat inside.

PLUS—PLENTY OF DOMESTIC HOT WATER

Today's mode of living demands more and more hot water for bath, for hands and all automatic clothes and dish washing appliances. On the Cottage Boiler the copper coil is available at small extra cost. Tank or tankless models, either one will provide hot water all year 'round. V-180 tankless coil, 180 gallons an hour raised 100°; V-55 Storage Tank Coil, 55 gallons per 3 hours.

KEWANEE BOILERS

EASY PAYMENTS—*Ask Your Contractor*

The Cottage Boiler, as well as other products manufactured by Kewanee-Ross Corp. is available for purchase on an easy time payment plan through the Heating and Plumbing Finance Corp. Your Heating Contractor will gladly furnish all details on this modern plan, as well as cost of installation, etc. He has the expert knowledge and experience to give you valuable and practical advice.

KEWANEE COTTAGE BOILER . . . *Specifications and Dimensions*

SPECIFICATIONS

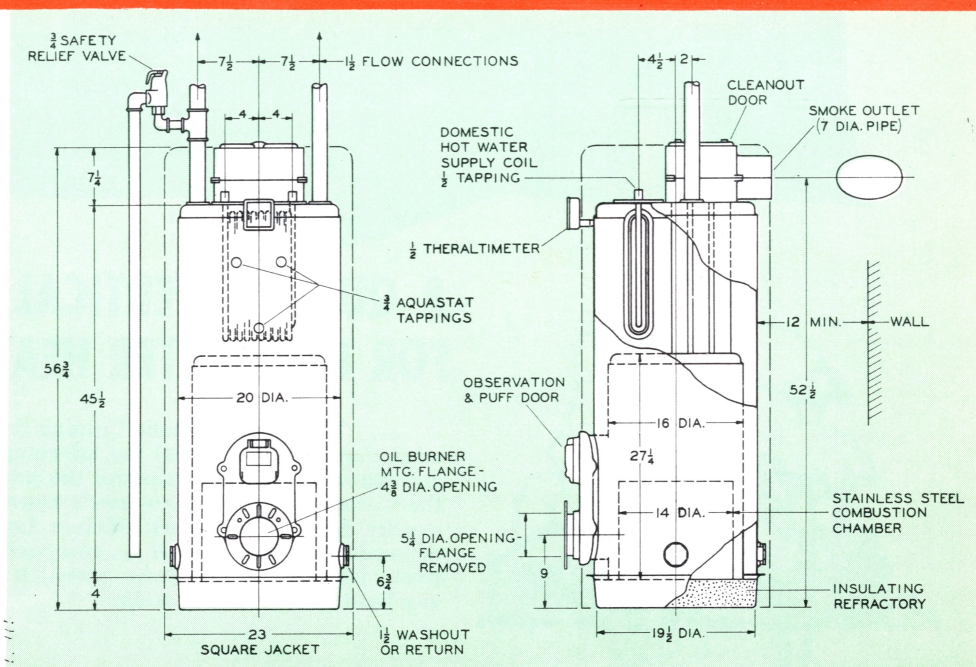
Boiler Number	VT510
SBI Net Rating (Connected Radiation plus Hot Water Load)	
—Water sq ft	510
— Btu per Hour 1000's	77
Fuel Burning Rates*	
—Oil Gal per Hr	1.1
—Gas Input 1000's Btu per Hr	144
Heating Surface sq ft	19
Firebox Volume cu ft	2.9
Boiler Shell—diameter in.	20
Boiler Shell and Base—height in.	49½
Firebox—inside diameter in.	16
—height in.	27¼
Burner Opening Diameter—with flange in.	4⅜
—without flange in.	5¼
Supply and Return size in.	1½
Relief Valve size in.	¾

DIMENSIONS

—Height Overall Boiler, Base, Jacket in.	56¾
—Smoke Pipe diameter to fit Oval in.	7
—Chimney—size in.	8 x 8
—height above CL Smoke Outlet ft	12
—Smoke Outlet—height CL in.	52½
—to boiler center in.	11¾
—Water Coil Connection**—height in.	51¼
—Flow Connections—height in.	49¾
—centers in.	15
—Return height in.	6¾
—Base—diameter top ring door clearance in.	22
—diameter at floor in.	19½
—height in.	4
—Floor to Burner Centerline in.	9
—Square Jacket—width x length in.	23 x 23
—Rear Clearance—boiler shell to wall in.	12
Shipping Weight, Jacketed M lb	650

* Fuel Burning rates are for 150% boiler output as listed.

** Coil Connection sizes: ½" Tankless; ¾" for Storage Tank



TRIMS—Combination Altitude Gauge and Thermometer; Stainless Steel Combustion Chamber for oil-firing supplied at extra cost. Tools—Flue Scraper.

EQUIPMENT—Base with refractory bottom-fill; firedoor lined, observation port has puff-back swivel cover; Burner mounting flange; Smokehood with hinged flue access doors; Spinner blades in the heavy gauge tubes; Washout plugs.

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